

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Art Unit: 2618  
Jeffrey M. Zachan *et al.* Examiner: Yun, Eugene  
Application No.: 10/806,619 Confirmation No.: 2616  
Filing Date: March 23, 2004  
For: **SYSTEM FOR GENERATING AMPLITUDE MATCHED 45 DEGREE PHASE  
SEPARATED LOCAL OSCILLATOR SIGNALS**

**FIRST RESPONSE**

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Smith Frohwein Tempel  
Greenlee Blaha LLC  
Customer Number 35856

Sir:

In response to the non-final Office Action mailed from the United States Patent and Trademark Office on June 27, 2007, please enter the following amendments and consider the following remarks.

**Amendments to the Claims** are reflected in the list beginning on page 2 of this paper.

**Remarks** begin on page 7 of this paper.

**AUTHORIZATION TO DEBIT DEPOSIT ACCOUNT**

It is not believed that extensions of time or fees for net addition of claims are required, beyond those, which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. §1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to Deposit Account No.: 50-3479.

**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being electronically transmitted to the U.S. Patent and Trademark Office via EFS-WEB to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: September 5, 2007 /Michael J. Tempel/  
Michael J. Tempel